

SAKI Grant Kit Tracking

AND

Legislatively Mandated Kit Tracking

MICHIGAN STATE POLICE
FORENSIC SCIENCE DIVISION
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About

- ▶ State Police Inspector, Asst. Division Commander
- ▶ Operations Manager for FSD's eight laboratory system
- ▶ Four years as the FSD Quality Assurance Manager
- ▶ Twelve years as a Latent Print Supervisor/Examiner
- ▶ Strong background in database management/web development



Overview

- ▶ SAKI Grant Kit Tracking
 - ▶ Challenges in our implementation
 - ▶ Defining requirements to meet our needs
 - ▶ Choosing a “system”
 - ▶ Designing the system workflow
 - ▶ Defining which data fields to track
 - ▶ Build, then execute!
 - ▶ Tweak, modify, improve, learn
- ▶ Legislatively mandated kit tracking
 - ▶ Overview of requirements
 - ▶ Overview of Vendor-driven solutions

Challenges

- ▶ Around 650 police agencies, 83 counties (and prosecutors)
 - ▶ Politics/sensitivities around the previously unsubmitted kits
- ▶ No single entity with clear authority
 - ▶ Concerns about 'policing the police', cooperation, perception
- ▶ Short timeline to implement
 - ▶ Attorney General survey had begun
 - ▶ Prosecuting Attorneys Association had hired a project manager
 - ▶ Clock was ticking on our grant period
 - ▶ Users (literally) wrote the manual as they used the system



"System" Requirements

- ▶ Varying access levels to data, from multiple parties
 - ▶ Edit/view rights, limited to specific data fields
- ▶ Various parties need access
 - ▶ Grant project manager
 - ▶ MSP lab personnel
 - ▶ Agencies
 - ▶ Prosecutors
- ▶ Large amount of data to handle/manage
 - ▶ early estimate 1,800+ kits
 - ▶ probably closer to 3,500 in reality
- ▶ Easy collection of data from agencies; bulk import to database
- ▶ Cheap, quick, and accurate

Drupal CMS

- ▶ Drupal is a Content Management System, with extreme flexibility
- ▶ Open source, free, tested, widely used, and reliable
- ▶ Relatively easy to build complex applications/workflows
- ▶ Allows for bulk importing (and updating) of data
- ▶ We have access to a company that knows Drupal
 - ▶ Full Disclosure – Bowen Technology Services, LLC
- ▶ Designed with the idea that our solution can be a template

The Drupal logo, featuring the word "Drupal" in a blue, sans-serif font, with a small "TM" trademark symbol to the upper right of the "l".

Drupal™

Implementation – Pick a Workflow

- ▶ Notify
- ▶ Collect and Certify
 - ▶ ...and cancel kits that don't certify
- ▶ Ship/Outsource
- ▶ Collect and Track Vendor Lab Results
- ▶ Track Investigative/Prosecutorial Effort



Defining data fields to track

KIT

3- KIT # - UID

C- LAB #

- SYSTEM ENTRY DATE - AUTO

4- KIT COLLECTION DATE

- OUTSOURCED DATE - BULK VIEW, OF NOT YET OUTSOURCED

B- VENDOR COMPLETION DATE - PAYMENT VIEW

C- CODIS UPLOAD DATE

- VENDOR ID

C- TECH REVIEW COMPLETION DATE

2- AGENCY

B- MALE DNA OBSERVED Y/N

* NON-VICTIM PROFILE DEVELOPED Y/N

B- REPORT ISSUED - DATE

1- COUNTY NUMBER

- AGENCY COMPLAINT #

4- CODIS ELIGIBLE PROFILE

5- AGENCY PROPERTY #

HIT TYPE

C- OFFENDER

- FORENSIC

- OFF/FOR

INVESTIGATIVE VIEW *

COUNTY # - SEQUENTIAL

VENDORS

COUNTIES

AGENCIES - CERTIFICATION OF KIT LIST

A- ENTRY - PM

B- PM, AFTER VENDOR WORK

C- LAB

- YES

- NO, PARTIAL PROFILE

- NO, COMPLEX MIXTURE

- NO, CONSENTING PARTNER

Implementation – What's Important?

- ▶ Entities – Agency, County, Kit, Shipment
- ▶ Fields for each entity
 - ▶ Agency – address, County, ORI
 - ▶ Shipment – tracking number, date shipped, vendor, kits in the shipment
 - ▶ Kit – groups of fields were created
 - ▶ Entry – Kit ID, collection date, victim age/initials, certified date
 - ▶ Agency Info – agency name, complaint number, property identifier, comments
 - ▶ Vendor Lab Info – grant name, vendor name, completion date, result of analysis
 - ▶ FSD Lab info – lab case number, date received, Tech Review date, CODIS hit type
 - ▶ Additional association info – hits to other kits, hits out of state?
 - ▶ Investigative info – SoL dates, victim notification/contact dates, warrant request status, adjudication result



Michigan State Police

BJA / DANY Grants

 Search

Kit Status Menu

- Entered, Not yet Certified
- Certified, Not Outsourced
- ▼ Outsourcing
 - Ready to Ship
 - At Vendor Lab
- ▼ Completed by Vendor
 - Negative DNA Results
 - At FSD lab
- Completed by FSD Lab

Add Items

- Add Kit
- Add Kit Shipment
- Add Vendor

Reference Lists

- Kit Shipments
- Agencies with Kits
- Counties with Kits
- Kits Recently Added/Updated

Navigation

- ▶ Add content
- Calendar
- ▶ Import

Michigan Statewide SAK Initiative

[View](#) [Edit](#) [Manage display](#) [Track](#) [Devel](#)



Workflow – In Practice

Kit Status Menu

- Entered, Not yet Certified
- Certified, Not Outsourced
- ▼ Outsourcing
 - Ready to Ship
 - At Vendor Lab
- ▼ Completed by Vendor
 - Negative DNA Results
 - At FSD lab
- Completed by FSD Lab

- ▶ Entered, Not yet Certified
 - ▶ agency says they have kits, “pre-logging” them
- ▶ Certified, Not Outsourced
 - ▶ agency physically brought the kits, we have them
- ▶ Ready to Ship
 - ▶ kits are batched/grouped for shipment
- ▶ At Vendor Lab
 - ▶ a shipment number has been applied, kits are at/on way to vendor lab

Entered, Not Yet Certified



County

Agency

- Any -

- Any -

608 records found.

Operations

Update Kit Information

| <input type="checkbox"/> | Kit Identifier▲ | Agency | County | Evidence Collection Date | Agency Complaint Number |
|--------------------------|-----------------|--------------------------|--------|--------------------------|-------------------------|
| <input type="checkbox"/> | MI 11-1715 | ██████ Police Department | ██████ | 2012-10-09 | 60-5991-12 |
| <input type="checkbox"/> | MI 11-1716 | ██████ Police Department | ██████ | 2012-11-10 | 60-6753-12 |
| <input type="checkbox"/> | MI 11-2167 | ██████ Police Department | ██████ | 2013-09-26 | 60-5187-13 |
| <input type="checkbox"/> | MI 12-1811 | ██████ Police Department | ██████ | 2013-07-14 | 60-3789-13 |
| <input type="checkbox"/> | MI-13-0925 | ██████ Police Department | ██████ | 2013-05-17 | 13-2038 |
| <input type="checkbox"/> | MI 12-2516 | ██████ Police Department | ██████ | 2014-05-21 | 14-2059 |

Reference Lists



Organize and view kits based on the values of fields in each kit

- ▶ Kit Shipments
 - ▶ List all shipments to vendor labs
- ▶ Agencies with Kits
 - ▶ List all agencies that have kits in the system
- ▶ Counties with kits
 - ▶ List all kits (irrespective of agency) from a county
- ▶ Kits Recently Added
 - ▶ Easily look at the most recent kits added to the system

Current Status

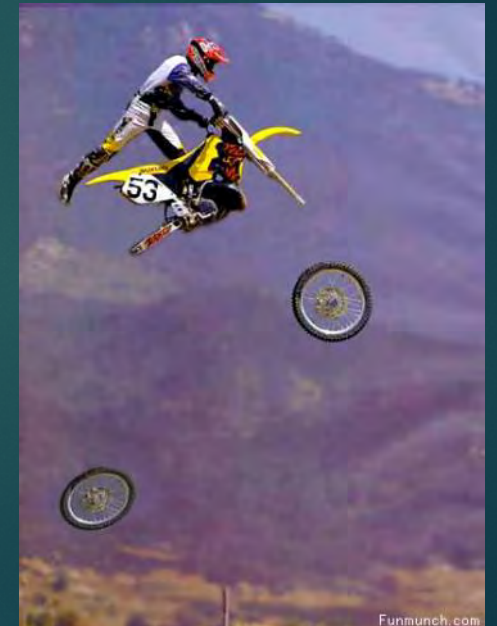
- ▶ Still very much a work in progress
 - ▶ About 2,500 kits certified so far
 - ▶ First batches of kits/results are coming back from vendor now
 - ▶ Agile!

Advantages

- ▶ Experience – with the Detroit 10,000 SAK's
- ▶ A model for successful outsourcing of kits
 - ▶ Contracts in place with vendors
- ▶ Seasoned Technical Leadership in Biology/DNA
- ▶ Good relationships (contracts) in place with vendors/partners
- ▶ Direct access to an IT company
 - ▶ Prior experience with Detroit 400 project
 - ▶ Ability to stand up an application quickly
 - ▶ Agile development, modify app in production, add pieces as we go

Lessons Learned

- ▶ Define early exactly what you want to track
- ▶ Establish common terminology for everything
 - ▶ E.g. serial offender, forensic CODIS hit
- ▶ Track more than you think you need
- ▶ “Project Manager” role is crucial
 - ▶ Personality – energetic, communicative, driven



Mandated Kit Tracking

- ▶ Michigan Public Act 227 of 2014 creates the Sexual Assault Kit Evidence Submission Act, which establishes time periods for sexual assault evidence collection kits to be retrieved by the investigating law enforcement agency, submitted to forensic laboratories and analyzed for forensic evidence.
- ▶ Law Enforcement – has 14 days to submit the kit
- ▶ Lab – has 90 days to complete analysis
- ▶ A Commission was also established, to make recommendations about how the intent of the new law should be met
 - ▶ Most (all?) of us believe that will result in a statewide tracking system software

Two pilot programs



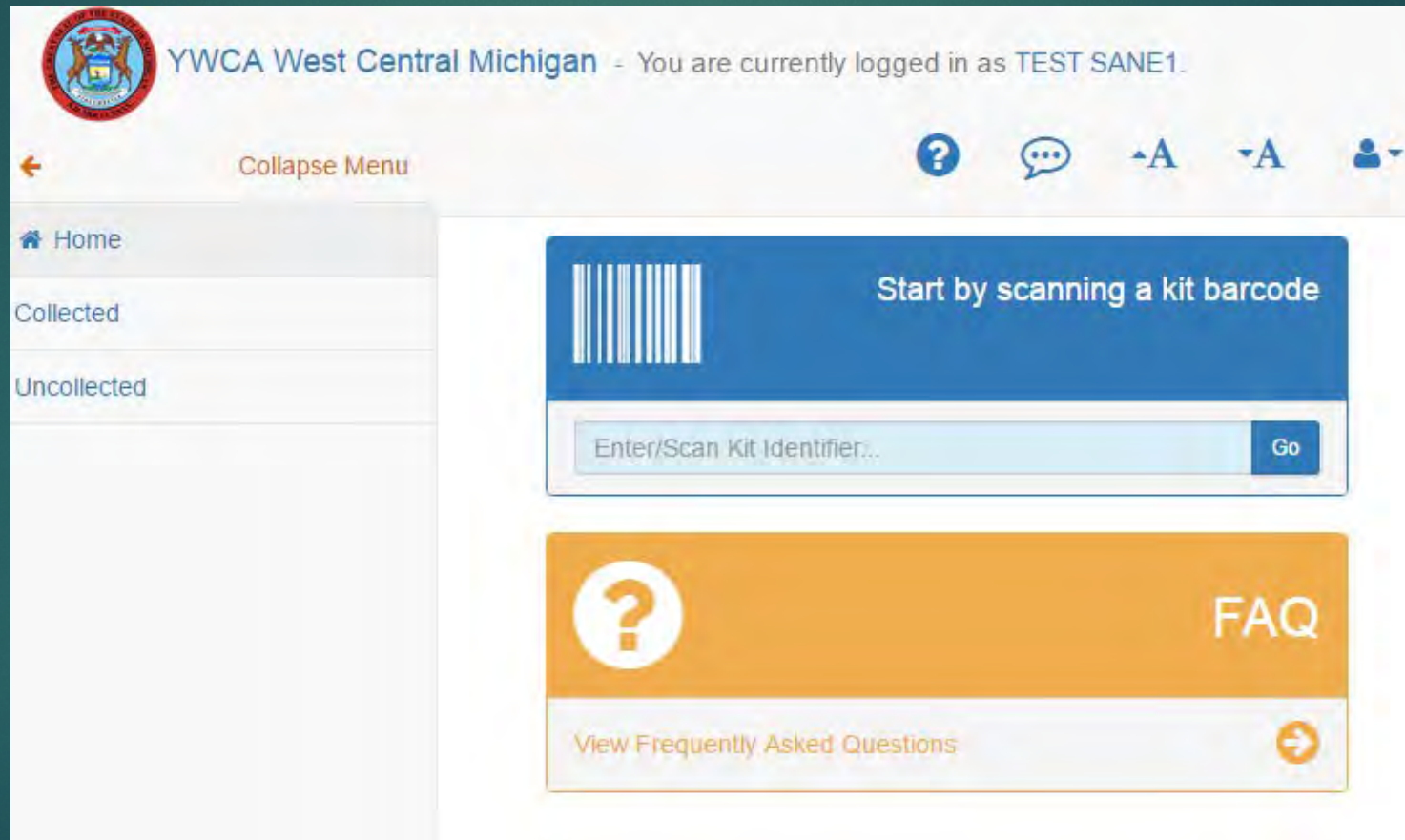
UPS Pilot – Wayne County

- ▶ Utilizing UPS delivery/tracking workflows to track kits from point to point
- ▶ During the pilot, a web interface allowed the viewing of kit status
- ▶ UPS is, of course, *very* good at tracking packages
- ▶ Deployed hand scanners at lab, DPD, Wayne County SAFE
 - ▶ Scanners make tracking kits easy


StacsDNA Track-Kit pilot

- ▶ Vendor worked with all parties to build a custom web interface (and automate it where possible)
 - ▶ Manufacturer – our kit vendor could upload kit information to the system directly
 - ▶ Lab – Track-Kit has capability to interface with Stacs-CW
 - ▶ Victim/Survivor portal – provide web access for victim to their kit's status; give them access to regional support resources based on their login
 - ▶ Police Agencies/Prosecutor – can see status of all kits in their jurisdictions
- ▶ For all areas, visual warnings and email notifications are available to avoid violations of statute

SANE portal



SANE Portal

YWCA West Central Michigan - You are currently logged in as TEST SANE1.

← Collapse Menu?💬⌂⌂👤

Home

Collected


Uncollected





Uncollected

Export Kit Identifier.. Go

| ↑ | Kit Identifier | Kit Status | Kit Expiration Date |
|---|----------------|---------------------------------------------|---------------------|
| Q | Q | Q | Q |
| | MI15-4424 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4425 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4429 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4430 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4431 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4432 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4434 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4435 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4436 | In Medical Facility Possession (Unreleased) | 3/8/2017 |
| | MI15-4437 | In Medical Facility Possession (Unreleased) | 3/8/2017 |

Survivor Portal

[Home](#)

[EXIT](#)


Survivor Information



Kit Details

Resources

Contacts

Kit Details


Kit Identifier  MI15-4405

Kit Status  In Law Enforcement Agency Possession (Processing Complete) 


Conclusion


There are no results from the laboratory yet.


Survivor Portal


 Home

EXIT









Survivor Information

Kit Details

Resources

Contacts

State

Michigan

County

Wayne County

City

Filter

Michigan State Resources

See resources specific to the state Michigan.

Important Health Information For You

Download this document to find important health information for you.

[Download Important Health Information For You.pdf](#)

Important Legal Information For You

Download this document to find important legal information for you, including "understanding your rights, reporting the crime, personal protection orders and evidence testing."

[Download Important Legal Information For You.pdf](#)

Wayne County Resources


See resources specific to Wayne County, Michigan.

Detroit Police Victim's Assistance Program

Services provided: Free individual and group counseling services to sexual assault and domestic violence survivors, counseling also available for people whose family members were victims of homicide. Phone: [\(313\) 833-1660](tel:3138331660) Address: 4707 Antoine, Suite M-167, Detroit, MI 48201

<http://www.detroitmi.gov/How-Do-I-Find-Community-Services/Victims-Assistance>

Law Enforcement Portal

Grand Rapids Police Department - You are currently logged in as TEST LEA1.

← Collapse Menu?💬⌂⌂👤

[Home](#)[Pending MF Pickup](#)[Pending Lab Pickup](#)[Active Transfers](#)[More...](#)

Pending MF Pickup

Export

Kit Identifier..

Go

| ↑ | Kit Identifier | Medical Facility | Collection Date | LEA Pickup Due Date | Lab Due Date |
|------------------------------------|----------------|----------------------------|-----------------|---------------------|--------------|
| 🔍 | 🔍 | 🔍 | 🔍 📅 | 🔍 📅 | 🔍 📅 |
| Status: Ready for Pickup (Pre-Lab) | | | | | |
| 🚩 | MI16-5011 | YWCA West Central Michigan | 4/21/2016 | 5/5/2016 | 5/5/2016 |
| 🚩 | MI16-5005 | YWCA West Central Michigan | 5/2/2016 | 5/16/2016 | 5/16/2016 |
| 🚩 | MI15-4427 | YWCA West Central Michigan | 5/7/2016 | 5/21/2016 | 5/21/2016 |
| 🚩 | MI15-4421 | YWCA West Central Michigan | 5/9/2016 | 5/23/2016 | 5/23/2016 |
| 🚩 | MI15-4416 | YWCA West Central Michigan | 5/10/2016 | 5/24/2016 | 5/24/2016 |
| 🚩 | MI15-4418 | YWCA West Central Michigan | 5/11/2016 | 5/25/2016 | 5/25/2016 |
| | MI15-4404 | YWCA West Central Michigan | 5/12/2016 | 5/26/2016 | 5/26/2016 |
| | MI15-4420 | YWCA West Central Michigan | 5/12/2016 | 5/26/2016 | 5/26/2016 |

Next Steps

- ▶ State Commission will formalize its recommendations in June/July
- ▶ Legislature will act to implement those recommendations
 - ▶ Funding? Maybe?

Contact

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